



Multifunctional Utility/Logistics & Equipment (MULE)



The Multifunctional Utility/Logistics and Equipment (MULE) is a 3-ton unmanned ground system that will support dismounted, mounted and air assault operations. It consists of four major components:

- Common Mobility Platform (CMP)
- Two Mission Equipment packages: XM1218 MULE-Countermine (MULE-C) and XM1219 Armed Robotic Vehicle-Assault (Light) (ARV-A-L)
- Common Controller (CC) for dismounted operations
- Autonomous Navigation System (ANS) mission payload package integrated on the MULE platforms and Manned Ground Vehicles (MGVs) to provide semi-autonomous and leader-follower capability.



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- The two MULE variants share a Common Mobility Platform (CMP) and have individual Mission Equipment Packages (MEPs) containing selected hardware items to accomplish its specific mission. This concept ensures interoperability and reduces the logistics footprint.
- The MULE Common Mobility Platform (CMP) is the program's centerpiece providing superior mobility built around a power propulsion system and articulation suspension system to negotiate complex terrain, obstacles and gaps that will be encountered in an operational environment.

XM1218 MULE-Countermine (MULE-C):

- MULE-Countermine (MULE-C) provides the capability to detect, mark and neutralize anti-tank mines.
- Integrates a mine detection mission equipment package from the Ground Standoff Mine Detection System (GSTAMIDS).

XM1219 Armed Robotic Vehicle-Assault (Light) (ARV-A-L):

- Armed Robotic Vehicle-Assault (Light) (ARV-A-L) is a mobility platform with an integrated weapons and reconnaissance, surveillance and target acquisition (RSTA) package.
- Supports the dismounted infantry efforts to locate and destroy enemy platforms and positions.

